

# FOLIO

University of Alberta

16 June 1988

## New Wave: Networks of Centres of Excellence

Momentum for the national Networks of Centres of Excellence is building at the University of Alberta.

Once the \$240 million program was announced late last month, Vice-President (Research) Bob James was quick to invite Bruce Howe, deputy minister, Ministry of State for Science and Technology, to come here and acquaint himself with various kinds of research activities.

Mr. Howe accepted and visited the labs of Loren Hepler (Chemistry), John Tulip (Electrical Engineering), Alan Offenberger (Electrical Engineering) and Mike James (Biochemistry). He also observed the Slowpoke Nuclear Reactor and visited with Larry Wang (Zoology).

"I came here to get some sense of the work being done," Mr. Howe told *Folio*. "It must be understood that any visit like this is superficial in nature but I see superb work . . . as good as any being done in Canada. The U of A has nothing to be modest about."

At a working luncheon at the Faculty Club (9 June), Mr. Howe said it was up to the Centres of Excellence at universities to determine if they wanted to network with industry or with other universities. (Researchers in various institutions, including universities, industry and government laboratories will be eligible to participate in the program.)

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### Horowitz Issues SOS

## University Staring Down Barrel of \$7 Million Accumulated Deficit

*The following is the Report to Convocation presented by President Myer Horowitz on 8 June.*

Edmonton is a City of Champions. Certainly we have had reason to feel that is so following the Oilers' victory two weeks ago. There are many champions in all kinds of endeavours in our city and province; there are many champions and potential champions at our University—in the lecture theatres and seminar rooms, in the libraries and laboratories, in clinical and extension settings, and in gymnasias and on playing fields.

Almost 925 students will be graduating in Business and Science this afternoon. At the six convocations this Spring about 4,400 individuals are receiving undergraduate and graduate degrees. When we add the number who graduated at the two convocations last November, the total for this academic year at 5,929 exceeds by several hundred the entire student enrolment when I first came to this University 30 years ago. You who will soon be among our alumni are potential champions; the people who have supported you in your studies—your parents, wives and husbands, other family members and friends—are already champions.

Dean Roger Smith, who completes his second term as Dean of Business and who has provided steady leadership for more than ten years, is a champion. Thank you Dean Smith for your many contributions to the Faculty of Business and to the University.

My colleagues in Science and Business have been teaching increasing numbers of students. They have achieved success in instruction and in numerous and



*President Horowitz congratulates a potential champion.*

varied research projects even while the human, equipment and space resources deteriorate. These colleagues are champions.

The many volunteers on committees, advisory councils, our Board and our Senate, including you, Mr. Chairman, and you, Mr. Chancellor, are truly champions—for no one can accuse these people of any vested interest other than the legitimate desire for us to have in Edmonton a university that is excellent in quality.

I was with our gymnasts in March when our Pandas won the national gymnastics championship. That victory was exciting and pleasing. We have among our students champions in academic pursuits, cultural endeavours and public service, as well as in athletics. From sport teams and other student groups I have received numerous gifts and mementoes—pucks and hockey sticks; photographs and posters of several of our sport teams; personalized car licence plates with the designation "Bears 1"; a

sufficient number of team T-shirts, caps and hats, sweatshirts and track suits to enable me to open a men's clothing store; and a menagerie of stuffed bears and pandas which play together in a corner of my office.

One of my toy pandas is a gift from the captain of our field hockey team, a champion who will be competing at the Olympics in Seoul. I would like you to meet the panda she gave me. You will notice that the panda is smartly dressed in a T-shirt appropriately inscribed with the words "Panda Field Hockey". On the outside of the card around its waist is marked "Best Friend". There is a message on the inside:

I'm especially soft to hug  
So hug me tight and snug  
On me you can depend  
I'll be your true BEST FRIEND.

And it has been a best friend to me. For when I received the information of the operating and capital allocations from the government for the present budget

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- Foreign students to plumb English lit.



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# Convocation 1988

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year, I was more than a little discouraged and disheartened. I shut the door of my office, I turned off the lights and drew the drapes, I rolled on my carpet and I hugged my panda. If you look carefully at her fur you will see the many stains from my tears.

## Ambivalence reigns

This is such a mixed time. I am very proud of the many accomplishments of our students and my faculty and support staff colleagues. But I am so very disappointed with the level of funding from government during the last several years. Earlier this week Vice-Presidents Meekison and James outlined problems of our libraries and of research; tomorrow Vice-President Warrack will place his focus on financial concerns.

For too many years, we have made all kinds of cuts in programs and positions. Last year, for example, we reduced the budgets of our departments and Faculties by more than \$5 million. We are a people-place and so this dramatic reduction necessitated the deletion of more than 125 support and academic positions. Our early retirement incentive program for non-academic staff, which we are financing with a \$3 million loan, was very effective, but even so we had to lay off staff members, some of whom were with us for many years.

I can tell you, Mr. Chancellor and Mr. Chairman, that there is no joy in our having completed the last financial year, on March 31st last, with deficits in our operating budget of \$2.5 million and in our capital renovations budget of about \$1 million. Unless we receive help, we anticipate that on March 31st next the accumulated deficits will increase to \$5 million in the operating budget and \$2 million in the capital budget.

Classes are too large, numerous sections of courses are no longer being offered, outdated equipment isn't being replaced, essential renovations are being postponed, too many academic and non-academic positions are being deleted, and desirable new programs have yet to be financed.

Dean John McDonald, another of our champions, sent me a note in early April in which he underlined the serious effects of reduced capital funding on the Faculty of Science:

"The Faculty of Science has a

capital equipment inventory in excess of \$44 million and, if one were to assume a 10 percent replacement rate, we would need \$4.4 million per year just to replace existing equipment. . . . Another area of serious concern is our ability to attract new young staff members in the experimental sciences. It is becoming common for other institutions to offer \$50,000 to \$300,000 in capital funds to potential staff members . . . outstanding young scientists are choosing to go to other institutions. In addition to our aging equipment, we are experiencing difficulties in our ability to upgrade and renovate

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*"Our financial difficulties have never been as severe as they are now."*

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our aging space.

Unless these issues are quickly and efficiently addressed, we will be greatly hampered in our ability to attract world-class experimentalists to the University of Alberta."

Other Deans share Dean McDonald's fears.

For the third consecutive year, capital allocations for equipment, renovations and maintenance have been reduced, in this year by 25 percent. The equipment replacement allocation for 1988-89 for the entire University is \$4.9 million, just about the amount that Dean McDonald indicates is necessary for his one Faculty. As recently as 1985-86, we received more than \$10.6 million for replacing equipment for teaching and research. In other words, this year's allocation is only 46 percent of what we received three years ago. In his letter to you, Mr. Chairman, our Minister acknowledges that the allocation for this year represents 3.5 percent of the replacement value of our equipment inventory. At this rate it will take almost 30 years to accumulate sufficient funds for replacing a piece of equipment. That is shocking. The Province must correct this situation, and immediately.

I do not believe that we should expect governments to provide all the support we require. In recent years we have been increasingly successful in our fund development campaigns. I congratulate the Dean and others in the Faculty of Business for the very successful

Competitive Edge Campaign.

A year ago, we embarked on Project Leadership, a telephone and mail approach to our alumni. It is satisfying that about 30 percent of our graduates are contributing. In July we shall reach the \$3 million mark representing gifts and pledges over a four-year period.

## Mortarboard, robe come in handy

For next year the provincial government is permitting us to increase fees by not more than 3 percent. That decision continues to puzzle many both within and

outside universities. What is satisfying, however, is that a number of our students have gone out of their way to indicate to me that they prefer a larger increase in fees to a continuing decrease in the quality of the learning experience. They are suggesting as well that students should contribute to fund development, even before graduation. I could circulate a collection plate following this presidential sermon, or perhaps as this is a convocation ceremony my mortarboard would be more appropriate for the receipt of your loose change. Fear not. No matter what, you will come before the Chancellor this afternoon. Mind you, during the reception you may want to complete one of the blank cheques I happen to have with me. Cash contributions can be placed in the inside of the rather full sleeves of this robe of office.

I want to indicate how grateful we are that in Alberta we have a very generous matching grant scheme that rewards us for our fund-raising efforts. A gift of \$100 towards an endowment is double-matched for a total of \$300. That is a major incentive for giving and I congratulate the provincial government for this arrangement. Gifts from alumni and other individuals and from corporations and foundations are essential for they enable us to create scholarships and fellowships, visiting lectureships and endowed chairs. These are the essential extras that make the difference between mere acceptability and excellence.

No matter how successful we shall be in fund-raising, however, we must continue to be nurtured by the province which created us as a provincial university more than 80 years ago. It has been said that I always seem to be asking for more funding. I hope that is so. Without embarrassment, I make my appeals to government, to alumni, to students, to parents, to colleagues, to corporations, to foundations and to friends because I am convinced that it is in the best interests not only of students and staff, but also of governments and society generally, for this University to be world-class and for us to aim for excellence in whatever we do.

It is true that I have asked for support in other years and that my eight predecessors in the presidency did so as well. After all, the nine of us, from President Tory on, have been determined that the University of Alberta should be a University of Champions. And so once again I ask for support, but there is a difference this spring. Our financial difficulties have never been as severe as they are now. Not only do we require sympathetic consideration in the years ahead, but we deserve further attention immediately.

Last year, our operating allocation was decreased by 3 percent. The major decrease in our formula capital funding meant that the combined decrease was 6 percent. This year our operating allocation was increased by 1.5 percent, but another heavy decrease in our formula capital funding had the effect of erasing the 1.5 percent increase. When inflation over the last two years is taken into account, the value of the operating and formula-capital funds we have received for 1988-89 is about 15 percent less than the value of the similar funds two years ago.

I conclude this Report to Convocation, Mr. Chancellor, with the plea I have already made to the Minister of Advanced Education, the Provincial Treasurer and the Premier. I remain optimistic that there will be a positive response to my urgent cry for help: Believe me, Mr. Premier and other Honorable Ministers, the quality of our teaching, learning, research and service is being affected, and negatively. We are in difficulty, serious difficulty. For the present year, we need supplementary funding—both for operating and for capital. PLEASE HELP!□

# Convocation 1988

## Professional Artist Leaves Her Imprint

A high school runaway reminded new University of Alberta graduates that being female is still a one-way ticket to poverty, discrimination and sexual harassment, and that artists of any sex are seen by government as "amusing children"—when the economy's buoyant.

Jennifer Dickson, now an Ottawa-based printmaking artist of international stature, told Convocation's first-day audience (6 June) how her mother encouraged her to run off to London to become an artist rather than see a talented daughter marry into an "annual destiny" of compulsory pregnancies, as she had done.

Graduates loudly applauded her comment on surviving the educational process: "We are all living testament to those . . . who have loved us, nurtured us, taught us, and kicked our asses," she said, moments after being presented for an honorary LLD by Shirley Neuman (Chair, Women's Studies Program.)

Dr. Dickson studied for five years in London, then in Paris in Stanley Hayter's Atelier 17. In the sixties, she went on to establish printmaking at Brighton College of



Jennifer Dickson at the buss stop.

Art, just as nearby London entered another cycle as a fashionable art centre.

"My generation of women was the first to have biological control of their lives," she told her audience of new Arts, Home Economics, Faculté Saint-Jean and Rehabilitation Medicine graduates. But "rights which are not

constantly defended," she warned, "are readily eroded."

In Ottawa culture may now be referred to as an "industry" but its government managers have double standards, said the artist, the only Canadian ever elected to the Royal Academy. "Keeping us lean and hungry motivates us to attain greater heights of expression," she said. Bureaucrats however, "need the sustenance provided by a bi-weekly paycheck . . . to function effectively." □

## Chinese Educator Praises Bridge-building

In little more than a decade, Chinese educator Huang Xinbai has happily watched a very special population explosion happen here in Canada.

"When I first visited Canada in 1975," he told new graduates in Education and Physical Education and Recreation (7 June), "there were only 20 Chinese students studying in your country." By 1988, that figure has risen to more than 3,000.

Huang Xinbai, credited with helping create the baccalaureate programs in the People's Republic since the Cultural Revolution, is president of the Chinese Education Association for International Exchanges and a former vice-president of Peking University.

Canada is now "listed as one of the countries that receives most of our students and scholars," he said, after being presented for an honorary degree in Laws by Dean Fu-Shiang Chia (Graduate Studies and Research).

Dr. Huang Xinbai praised his honorary alma mater for its "remarkable contribution to the development of institutional exchanges between our two countries" and closed his Convocation speech, delivered in Mandarin, with a promise to "dedicate all my efforts and life to the lofty educational cause of mankind." □

Photo/University of Alberta/OFA

## A Dragon Holds His Fire

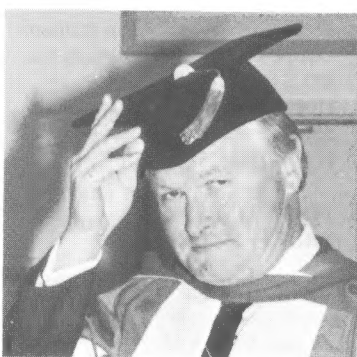
The University doesn't often give its highest accolade to a serving board member.

But John Schlosser—in the words of President Myer Horowitz "my boss, and my friend"—is also "this University's most loyal volunteer and supporter."

University governor since 1972 and its chair for a decade, John Schlosser gets a standing ovation, led by academics and quickly picked up on by graduands and their families, after Dr. Horowitz presents him for his honorary Doctor of Laws (9 June).

"This is the Year of the Dragon," Dr. Schlosser advises new graduates from the Faculties of Engineering, Agriculture and Forestry and Graduate Studies and Research. "Don't let horoscopes be your sole guide, despite Nancy Reagan's example." But then he summarizes the qualities of the dragon year in which he too was born "some sixty years ago."

The dragon: endless energy,



John ("Dragon") Schlosser

stout-heartedness, Truth as a dispeller of dark clouds.

"Great stuff to tell yourself in the shower, starting to face the day."

Dr. Schlosser will "stay on for two more years before I get to leave," then suggests that he'll team up to form M-J Consulting, with a certain former employee and friend.

"Myer knows everything you need to know . . . and I'm pretty good at breathing fire." □

## Trust a Pharmacist? Take a Pinch of Salt, First . . .

(It's half-way through Convocation 88. Two thousand down, two thousand and some to go. Time to loosen up. - Ed.)

Mervyn Huston wanted the University's motto changed.

To? What The Hell Is True.

How did he succeed so well in academe?

Always hired people brighter than me. Then leaked that fact out.

"Smartest thing I ever did, they all agreed," this cherub-cheeked, white-haired, dapper man beams out at his Convocation audience.

Like Aristotle Sinatra, he did it his way: from TA to Dean of a nationally-respected pharmacy faculty, in a University career spanning almost four decades.

"Professors aren't any smarter. They just have their ignorance better organized." (That one shares

top place for laughter with honorary degree recipient Huston's definition of an intellectual as a smartass with a PhD.)

Dr. Huston keeps his real (?) advice to the graduating Business and Science students to the end, quoting a Cariboo rancher from his "growing-up" years: "It's time to shoot bears, when there's bears around."

"The hunting season's open to you now. You've got your licences," advises the man who had earlier suggested "aim high, and never mind the consequences."

But that's the alchemy of Mervyn Huston: a mix of truth and craziness. Swallowing it—in whole or part—is always up to his customers. □

photo/University of Alberta/OFA

## Track, Cross-country Loses a Staunch Supporter

These days, runners of varying ability shift gears along Saskatchewan Drive in blissful anonymity. It wasn't always so. In the early 1960s, people like Jim Haddow would go out on a training run and puzzle residents no end. One homemaker, eyebrows elevated, perhaps short(s)-circuited, lodged a complaint with the authorities.

"In those days I knew everyone in Edmonton who ran," Dr. Haddow recalled, relaxing in the Butterdome lounge after a brief ceremony at which money was given to the Library in his name to buy a number of books on track and field.

A distance man whose mileage base and training habits were developed at Saint Andrews, the University of Manchester and clubs in England and Montreal, Dr. Haddow bashed out the miles in the then running outpost of Edmonton and ended the decade with a gold medal performance at the 1969 Canada Summer Games in Dartmouth. "It was a beastly hot day and the top runners all suffered from heat prostration." The wily veteran held back, then threaded his way through the field, finishing the hilly marathon course in two hours and thirty-six minutes.

He also coached track and cross-country athletes throughout the sixties, then periodically from 1969 to 1974. Gabor Simonyi, a field events specialist, came here from North Battleford as track and field supervisor and persuaded Dr. Haddow to coach full-time again.

Contemporary distance runners with dazzling times are as professional as Wayne Gretzky, Dr. Haddow says. "You can't run 150 miles a week and hold a full-time job." As for university runners, he feels that only supremely talented and motivated individuals should put their studies on hold. He remembers a flight from Toronto to Edmonton during which he bluntly dissuaded a student from dropping out, concentrating on running and then returning to the books at some unknown time. "Most people aren't good enough to justify compromising a career." (The student is now a successful dentist in Edmonton.)

His years of gratis service are appreciated by the Faculty of Physical Education and Recreation. As a going-away present (he leaves for the University of Victoria in August), the Faculty wanted to get him a green blazer but

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Jim Haddow tacks on the miles.

Dr. Haddow got wind of the plan and asked that the money be put toward books. Dean Gerry Glassford and Chief Librarian Peter Freeman were only too happy to oblige.

A professor of Mechanical Engineering, Dr. Haddow will take up an adjunct professor appointment in the Queen City. He'll be involved in athletics primarily as an official with the management of photo-timing equipment likely to be one assignment to come his way.

A knee operation in 1984 has robbed him of a good deal of mobility but running is in his blood. And Victoria is rife with Saskatchewan-Drive-like running routes . . . □

## New Wave

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The objectives of the Networks of Centres of Excellence are the promotion of university-industry partnership to further world-class research and the support of Canada's long-term international competitiveness.

All disciplines will be eligible to participate; the Networks will be chosen by a peer review process of international calibre to be administered by NSERC, MRC and SSHRC.

Proposals will be initiated by the university and industrial communities.

In his Report to Convocation (7 June), Dr. James said the program has "stimulated considerable activity." More than 20 proposals are being developed; the program should be regarded as a vehicle for assisting in the initiation of new research program proposals, he said.

As well as the \$240 million for the Networks of Centres of Excellence, the federal government announced a \$200 million increase over five years to the base budgets of NSERC, MRC and SSHRC. □

## Japanese Pharmaceutical Students Come Back for Three Weeks of Study, Fun

Forty-four students from Toho University's School of Pharmaceutical Science, Japan, will arrive on campus 30 July for an action-packed, fun-filled, three-week English language and cultural seminar arranged by the Faculty of Extension's English Language Program.

It's the second visit of its kind. "Last year we had 12 students for two weeks," says Rosalie Banko, director of the Extension program. "They enjoyed it so much that some of them are coming back this year"—with a group nearly four times bigger, for a seminar that's a week longer.

It'll be a whirlwind three weeks for the students, most of whom are in their first year of pharmaceutical science.

Since the objective is to learn to speak English (they can already read and write it), classes will take up every morning from 8 to noon.

There'll be homework, too. But that will have to be fitted into a crowded schedule that includes campus tours, sightseeing around town, visits to West Edmonton Mall, Fort Edmonton Park, Elk Island Park, Banff and the Rockies.

"This year we're also going to make videos and have sweatshirts, and there'll be a Grand Barbecue at the end," says Professor Banko. "It will be fun. They're delightful students."

The visits are a spin-off from an agreement entered into last year by the Faculty of Pharmacy and Pharmaceutical Sciences with the School of Pharmaceutical Science, Toho University, for the interchange of pharmacy students and staff. Toho University has established a three-member committee to handle arrangements for the English language and cultural seminar. □

## FOLIO

Volume Twenty-five  
Number Forty-one

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Public Affairs produces Folio  
on a regular basis for the  
staff and other interested  
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University  
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Alberta

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ISSN 0015-5764  
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## Foreign Students Get a Special Look at English Literature

A new program, to be offered for the first time this summer by the Faculty of Extension, is designed especially to help foreign students understand—even enjoy—the masterpieces of English literature they will study at university.

Many students who have English as their second language (ESL) have difficulties with required English credit courses, says Rosalie Banko, director of Extension's English language program. Understanding and responding to English literature can be difficult for the ESL student who lacks a background in the subject, she points out, and every term the English Department refers a number of ESL students to her department for help.

This pilot course, "An Introduction to Literature for ESL Students" (4 July to 12 August), may build a bridge across the gap.

It will be six weeks of intensive work, says Professor Banko.

Students will be guided by an instructor with a specialized degree in teaching English as a Second Language and extensive experience teaching literature as well as ESL. They will acquire some background in English literature, learn how to understand and analyze a text, take part in class discussions, and gain experience in writing critical essays.

Books to be read (and enjoyed) are ordinary texts for English speakers—not special ESL versions. Shakespeare is on the list, too.

Admission to the course is through an entrance exam (reading test, essay and oral interview) on 18 June.

To monitor the program's effectiveness, Ms. Banko plans to follow students' progress through their English courses in the coming University year.

For more information, call the English Language Program, 432-3036. □

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## Parking Rates Bumped Up

A "loonie" sanctuary on campus?

It would seem so, given that parking fee increases for 1988 have been approved by the Board of Governors. Parking Services is in the process of ordering meter conversion with the "loonie" in mind. Metered parking has gone up 20 cents (to \$1) and the modified meters will take any and all "loonies."

That increase and a \$5 across-the-board increase in parking stalls goes into effect 1 July.

Stalls with plug-in will cost \$31 (up from \$26) and stalls without plug-in will cost \$28 (up from \$23).

Parking at the Jubilee Auditorium lot goes for \$19 a month as opposed to \$14 last year.

The \$35 charge for private stalls will give way to a \$40 charge.

There are about 3,000 permit holders and less than 100 private stalls at the University.

"The rates are still a bargain compared with an ETS pass," says Allan Mah, parking manager. The

regular bus pass sells for \$36; Parking Services tries to keep its rates below the bus pass rate, Mah says.

Private parking operations around the University charge \$35-\$45 a month and the University of Alberta Hospitals' rate is \$50 a month, Mah points out.

His office continues to get some less than complimentary phone calls and letters, many of them along the lines of "Why should I pay for construction of more parking spots at Windsor Car Park . . . I don't park there." The reply from Mah and his staff is that money is needed to fund the total parking picture. This takes in the 250 stalls at Windsor, the parkade to be built under the Timms Collection Centre and, in cooperation with the Cross Cancer Institute, the development of an 800-space parkade under the Lister Hall playing field. (With land at a premium, all future parkades must be below ground, the Board of Governors has declared.) □

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## Medicine Launches Campaign

The Faculty of Medicine has started a fund-raising campaign aimed at collecting \$4.3 million to strengthen its leadership role in preparing physicians for the future. The campaign, which got under way on 30 May, coincides with the Faculty's 75th Anniversary celebrations.

The Faculty intends to create a 75th Anniversary Endowment Fund which will be used to establish professorships and faculty fellowships in a number of areas including medical ethics, research in medical education, health care evaluation and clinical programs.

The campaign is one way in which the Faculty will reach its objective of adapting its education

programs to meet the challenges and needs of future physicians. The Faculty understands the need for change in the way medical students are currently taught and sees the need in the future for greater emphasis on independent learning, ethical issues, care of the elderly, health promotion and disease prevention.

John (Jack) Bradley, a 1940 medical graduate, is chairing the campaign.

The "Preparing Physicians for the Future Campaign" will run until December 1988. All money raised will be eligible for 2 for 1 matching by the Alberta government. □

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## Leitch Named Acting Dean, Faculty of Business

Lorne Leitch, former Vice-President (Finance and Administration), has been named Acting Dean of the Faculty of Business for one year, effective 1 July 1988.

Professor Leitch is currently director of the Institute for Financial Research and a professor in the Department of Finance and Management Science. He will continue as director but will be relieved of teaching duties during the year.

Professor Leitch held the Finance

and Administration portfolio from 1972 to 1985. He then returned to the Business Faculty and assumed teaching and research duties. (He joined the Faculty in 1961 and has held such administrative posts as Acting Dean (1968-69) and Chair, Division of Business Operations (1963-68).)

A graduate of the University of Manitoba (LLB), Professor Leitch received his MBA from the University of Chicago. □

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## Industrial and Vocational Education Celebrates 25th Anniversary

The Department of Industrial and Vocational Education blew out 25 candles on 11 June.

Mixing business with pleasure, the department held an invitational conference under the theme "New Directions for Career and Adult Education." Speakers included Earl Mansfield, deputy minister, Alberta Manpower; A.J.H. Newberry, chief superintendent of schools, Calgary Board of Education; Stan Souch, president of NAIT; Judy Berger,

manager, public affairs, IBM; and John Ritter, chairman, Apprenticeship and Trade Certification Board.

Abram Konrad, chairman of Industrial and Vocational Education, gave a talk on the department's role in career and adult education.

Former Deans Herbert Coutts and Walter Worth and current Dean Robert Patterson attended the banquet in Lister Hall. □

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## PACSH Vacancy

The President's Advisory Committee on Sexual Harassment (PACSH) has two vacancies for members of the support staff: one female and one male. These candidates would serve as alternate members of PACSH for a term of office beginning 1 July and expiring in June 1989. Alternate members assist with the educational campaign and serve on PACSH task forces.

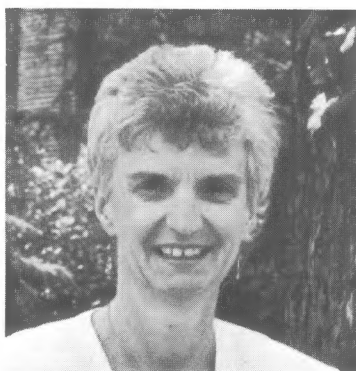
If you are interested in serving on this committee or if you would like to submit a nomination, please send a brief résumé and covering letter by 24 June 1988 to Ellen Schoeck Solomon, Coordinator of PACSH, 2-5 University Hall.

## Kieren Appointed to Associate Vice-President (Academic) Post

Dianne Kieren, recently appointed Associate Vice-President (Academic), can't say exactly what themes she will concentrate on in her new position but she does know that she will be "concerned about programs, the quality of programs and the transferability of students".

A family studies professor and former Chair of the department, Dr. Kieren took up the appointment for one year starting 1 June.

Dr. Kieren was Chair of family studies on three separate occasions (1970-75, 1977-81 and 1982-86) and has been with the Home Economics Faculty since 1967. In addition to her experience as department Chair, Dr. Kieren has



Dianne Kieren

sat on a number of administrative committees, including the Planning and Priorities Committee, and the President's Advisory Council of

Chairmen. She is currently the Chair of the President's Advisory Committee on Sexual Harassment.

Her research interests centre on the family and marital life such as marital role patterns, family and work: dual career and marital and family problem solving interaction. Dr. Kieren holds a number of memberships in professional organizations, including the National Council on Family Relations, Vanier Institute of the Family, the Canadian and American Evaluation Societies and the International Federation of Home Economics.

Dr. Kieren obtained her graduate degrees from the University of Minnesota.

She replaces Amy Zelmer who

was Associate Vice-President (Academic) for eight years. Dr. Zelmer is leaving the University to head the Department of Nursing at the Capricornia Institute of Advanced Education in Rockhampton, Australia. □

## Plan Early for Retirement

Some people, when asked to participate in a pre-retirement planning course, will say "You've got to be kidding . . . I'm 51 and have 14 years to go." "I don't need to plan for retirement - I'm going fishing." "Why would you want to learn about getting old?"

Unfortunately, most of us see retirement planning as something that should be done by someone who is one or two years from retirement at age 65. At that point, though, it may be too late to make any significant adjustment in financial, health or leisure plans.

What is retirement planning? Generally, it is a one- to two-day workshop covering such salient aspects of life as sources of income and income management, tax and estate planning, health, housing options and effective use of leisure time. The course is conducted in such a way that participants learn from a variety of sources, and, most importantly, from each other.

Training and Development is scheduling another seminar for this fall (minimum age: 55 years). Enquiries should be directed to Shirley Leonard (432-4660). □

## Presidential Search Committee - Progress Report

John Schlosser, chairman of the Board of Governors, recently reported on the progress of the Presidential Search Committee as follows.

The second meeting of the Committee was held on 21 April. Members had spent the three weeks since the 31 March meeting discussing with members of their constituencies their views on situations the University could face during the next decade and on the sort of person that would be required to ensure that the University deals with them successfully.

At the 21 April meeting, the committee confirmed the criteria that they would be looking for in

candidates, reconfirmed the list of publications in which advertisements will be placed, authorized the chairman and the secretary to develop the advertisement and to place it in the publications and decided to approach a consultant who will be asked to meet with the committee to discuss the value of a consultant in a presidential search process. As yet, no decision has been made as to whether a consultant will, in fact, be used during all or even some of the process.

At its next meeting (16 May), the committee decided to hire a consultant and to meet with her late in June. □

## Bagchee Honored at T.S. Eliot Centennial

Shyamal Bagchee (English) received a T.S. Eliot Centennial Citation at a T.S. Eliot Centenary Conference held recently in Little Rock by the University of Arkansas.

Cited for "his significant work in furthering the cause of Eliot scholarship", Dr. Bagchee was one of two keynote speakers at the conference, and delivered an address on "Eliot, modern poetry, and 'unpleasantness'".

Dr. Bagchee is a long-time Eliot scholar. In 1976, he launched the *T.S. Eliot Review*, now the *Yeats Eliot Review*. He is editor of the *T.S. Eliot Annual* and of *A Voice Descanting: Centenary Essay on Eliot*, both published by Macmillan.

This year, Dr. Bagchee is a visiting professor at the University of Victoria. □

## Retiring Staff Saluted by Board of Governors

On 24 May, University administrators extended best wishes to 206 retiring staff. (This was the largest number of retirees at the annual Board of Governors-hosted function and necessitated a move from the Faculty Club to Lister Hall.)

The employees gave the University upwards of 4,000 years of service, an average of 19 years

per person.

Each employee was given a memento and congratulated by Board Chairman John Schlosser. Former Comptroller A.S. Knowler responded on behalf of the retirees.

Brief biographies of each retiree (from Allen to Ziegler) appear in a booklet prepared by the Office of Public Affairs. Copies are available at 423 Athabasca Hall. □

## Support Staff Representative on General Faculties Council

Support staff hold three appointed seats on General Faculties Council. One of these seats is reserved for a support staff member who is not a member of the Non-Academic Staff Association but who is a full-time continuing employee. (This would include, for example, staff who are excluded from membership in NASA; true employees, however, would not be eligible.)

If you are interested in serving on GFC, or if you wish to submit a nomination, please send a brief résumé and cover letter by **Friday, 24 June**, to: Evelyn R. Phillips, Associate Director, University Secretariat, 2-5 University Hall

The successful nominee will serve on GFC from 1 July 1988 to 30 June 1991. For additional information, call Mrs. Phillips at 432-4733.

## 'Nutrition Assessment' Program Begins

A program to assist dentists in counselling patients about their eating habits has begun on campus. "Nutrition Assessment" is also available to nutritionists and interested persons who are concerned about proper eating.

The program is a computer-based diet analysis which compares a person's food intake to Nutrition Recommendations for Canadians. Kellogg Salada Canada Inc. initiated the nutrient data base used for the diet analysis, and Gordon Thompson, Dean of the Faculty of Dentistry, developed the data base further. Dr. Thompson was assisted in the project by colleague Tony Hargreaves, computer programmer Andrew Folkins and consulting home economist Marie Slusar. The data base includes nutrient values from a wide variety of sources, including Health and Welfare Canada's Canadian Nutrient File.

People participating in the "Nutrition Assessment" are asked to keep a three-day food record and then send it to the Dentistry Faculty for analysis. A computer printout shows the average daily intake of selected nutrients, how adequate nutrient intake is in relation to recommended intakes and how well balanced the energy intake is. □

## Supercomputing on Campus

Researchers, academics and administrators from across Canada will meet on campus 19 to 21 June to discuss supercomputing in industries and universities.

Participants in Supercomputing Symposium '88 will also have a chance to talk about the effects of supercomputers on society as well as promote and support the use of them.

Guest speakers include the Hon. Les Young, Alberta Minister of Technology, Research and Communications; Janet Lawell, who holds responsibility for the Research Grants Directorate of NSERC; Enrico Clementi of IBM Data Systems Division in Kingston, New York; and Kent Steiner, ETA Systems, Control Data, and the holder of three patents in computer design.

All sessions will be held in Lister Hall. □



### Undergraduate Teachers Par Excellence

Dean Fred Otto, on behalf of the Faculty of Engineering, presented awards in recognition of excellence in undergraduate teaching at the 20 May Engineering Council meeting. Recipients were: J. Feddes (Agricultural Engineering), J.H. Masliyah (Chemical Engineering), R. Gerard (Civil Engineering), D.A. Szafron (Computer Engineering), J.F. Vaneldik (Electrical Engineering), D.R. Budney (Mechanical Engineering) and T.H. Etsell (Mining, Metallurgical and Petroleum Engineering). Pictured (left to right) are: Dr. Feddes, Szafron, Gerard, Otto, Etsell, Masliyah, Vaneldik and Budney.

## Successful Final PhD Oral Examinations

Name	Department	Final Thesis Title
Marina Allemanno	Comparative Literature	"From the Historical Portrait in <i>Waverley</i> to the Historical Vision in <i>Le Roi des Aulnes</i> and <i>Gravity's Rainbow</i> : A Theoretical Study"
Norman Eric Brodie	Educational Psychology	"An Investigation of the Luria-Nebraska Neuropsychological Test with Learning Disabled Adolescents"
Edmond George Lemire	Genetics	"Characterization of Extranuclear Cytochrome Oxidase-Deficient Mutants of <i>Neurospora crassa</i> "
Paul Gordon Lhotka	Geology	"Geology and Geochemistry of Gold-Bearing Iron Formation in the Contwoyto Lake-Point Lake Region, Northwest Territories, Canada"
Barbara Ann Mensch	English	"D.H. Lawrence and Authoritarian Politics: A Study of <i>Women in Love</i> , <i>Aaron's Rod</i> , <i>Kangaroo</i> and <i>The Plumed Serpent</i> "
Margaret Janiece Moylan	Educational Administration	"Through a Looking Glass: A Female Administrator Interprets the Perspective of a Female Administrator"
Suchira Pande	Genetics	"Nucleotide Sequence of a <i>Neurospora</i> Mitochondrial Plasmid"
Wade V. Pike	Secondary Education	"Students' Perceptions of Computer Use in Art Education"
Nasrin Rahimieh	Comparative Literature	"Responses to Orientalism in Modern Eastern Fiction and Scholarly Writing"
Hai Ren	Physical Education and Sport Studies	"A Comparative Analysis of Ancient Greek and Chinese Sport"
Frederic S. Steussy	Germanic Languages	"The Emergence of Individuality as Exemplified in Nine Eighteenth-Century German-Language Autobiographies"
Linda Thompson	Secondary Education	"Student Teachers' Sense of Teaching Efficiency and Academic Learning Time in Physical Education"

## Armour Wins More 'Friends' for WISEST

Erstwhile high jump champion Margaret-Ann Armour talked about hurdles at the Friends of the University of Alberta annual dinner/general meeting on 3 May.

In her address on WISEST (Women in Scholarship, Engineering, Science and Technology), Dr. Armour said responsibility for the acronym rests with former Vice-President (Research) Gordin Kaplan. He attended a 1982 seminar on microprocessors and there was only one woman present, Dr. Armour explained. That's when the decision to form WISEST was taken. It wasn't something done in a vacuum; President Myer Horowitz and others in senior administration were very supportive of the initiative, she added. The late Saretta Sparling and Jean Lauber, one of the founders of the Academic Women's Association, were also instrumental in helping to create the climate for WISEST.

Dr. Armour, convenor of the committee of the Vice-President

(Research) on WISEST, said there was no need to consider *why* there was a lack of women in science and engineering; the task was to do something about it. "We had to impress upon first-year female students the fact that they could excel in the two disciplines," Dr. Armour told the Friends. To do this she now calls on the help of 20 staff members (male and female) who represent all Faculties, two women engineers from off campus, a number of graduate and undergraduate students, and the Alberta Women's Secretariat ("our feed into government").

"Momentum is difficult to sustain because a particular class will graduate and move on, but I'm more convinced than ever of the need for the program," Dr. Armour said.

WISEST's goals remain: equality of opportunity and the use of brainpower to best advantage. A number of jobs that have traditionally been handled by women are disappearing. Retraining and long-term plans are

essential if these women are to remain productive members of society, Dr. Armour continued. Their opinions and feelings must be part of the information gathering that precedes the making of decisions.

Four years ago, WISEST formed the support and networking group UAYs (University of Alberta Women in Science and Engineering). It organizes panel discussions and workshops and brings in high profile scientists like Rose Sheinin, Rosalyn Yalow and Ursula Franklin and has them eloquently convey the message, "Yes, it can be done and here's how I did it."

Another aspect of WISEST is the Summer Research Program for grade 11 students. The idea is that boys participate in research in the Faculties of Home Economics and Nursing, and girls do likewise in the Faculties of Science and Engineering. "They come into an existing research group and do whatever is appropriate," Dr. Armour explained.

This summer's edition starts on 4 July and runs for six weeks. It will contain about 30 students and 16 supervisors, all of whom are

faculty members. Supervisors more than supervise, Dr. Armour pointed out. They help students make a career choice and get them started working toward it.

WISEST is also very conscious about building a network. Dr. Armour told the Friends that she gets letters from all over the world, letters that share experiences and put forward ideas. A brochure on WISEST will be written and sent to other universities in Canada with the suggestion that the University of Alberta has a winner and wants to make other institutions aware of it.

The business portion of the meeting brought news that the membership stands at 233 (J. Ross Vant and L.D. Hyndman Sr. have belonged to the organization since its inception in 1944); that the Friends of the University of Alberta Jeanne Sauvé Undergraduate Scholarship (Faculty of Arts), valued at \$1,200, will be awarded annually, on a proficiency basis, to a third-year student; and that Stephen Lewis, Canada's Ambassador to the UN, will deliver the 1988 Henry Marshall Tory Lecture on 23 November in SUU Theatre. □

## Summer Sports Camps Stress the 'Fun'damentals

For the 22nd year, the Department of Athletics is offering its Summer Sports Program for boys and girls eight to nineteen years of age. Since its inception, the program has grown to accommodate more than 2,500 participants in as many as eighteen different activities. Each camp is designed to provide the latest instruction in fundamentals, techniques and strategies.

Representing one of the ways in which the University of Alberta interacts with the community, the program provides the Department of Athletics with a means of giving something back to the community for its support of the Golden Bears and Pandas.

This year's program consists of wheelchair basketball, track and field, tennis and power skating along with traditional camps involving some of the sports that University of Alberta athletes compete in at the intercollegiate level (football, volleyball, wrestling, etc.). In addition, the Summer Sports Program, in cooperation with the Faculty of Extension, will direct the athletics sessions of Summer Youth University, a two-week introduction to a number of university disciplines.

As always, the Summer Sports



Program ensures quality instruction by relying on the expertise of current and former Golden Bear and Panda and national and international coaches and athletes.

To provide an optimal learning environment, some camps have enrolment quotas. Persons interested in the Summer Sports Program, are advised to apply as soon as possible since applications are accepted and processed on a first-come, first-served basis. For more information, call 432-3534 or stop by P-220 Van Vliet Centre. □

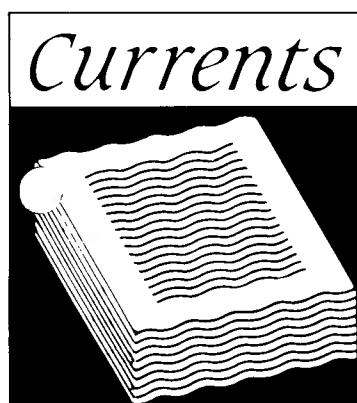


## Activities

**Helen Liebel-Weckowicz** (History) has just published a chapter titled "Ranke und Darwin - Evolution und Weltgeschichte"/"Ranke and Darwin - Evolution and World History" in *Leopold von Ranke und Die Moderne Geschichtswissenschaft*, edited by Wolfgang J. Mommsen

(Stuttgart: Klett-Cotta, 1988), pp. 91-111 . . . Public Affairs has won a bronze medal award from the national awards program sponsored by the Council for Advancement and Support of Education (CASE). *Q & A*, submitted in the Periodicals for Special Audiences category, was chosen for an award from among 86 U.S. and Canadian entries . . . As a delegate of the Standards Council of Canada, **Len Young** (Printing Services) attended an International Standards Organization meeting in Copenhagen last month. He participated in the development of standards for electronic publishing . . . The first gathering of U of A alumni in Fort McMurray (19 May), the Edmonton Junior Chamber of Commerce (31 May) and the Edmonton Consular Corps (1 June) were addressed by **Myer Horowitz** (President) . . . **Norbert Berkowitz** (Mining, Metallurgical and Petroleum Engineering) will assume professor emeritus status and a heavier workload on 1 July. To his graduate teaching, research interests and consulting practice, Dr. Berkowitz has added appointments as visiting professor at Jerusalem's Hebrew University and at Ben Gurion University in Beer Sheva, Southern Israel . . . **L.A. Kosiński** (Geography), W.R.D. Sewell and Wu Chuanjun are editors of *Land and Water Management: Chinese and Canadian Perspectives*. The 214-page volume contains proceedings of a Sino-Canadian conference held in Beijing in 1986.





## General Faculties Council

GFC's next meeting is scheduled for **Monday, 27 June, at 9 a.m.** in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 28 May 1988
3. Question Period
4. New Members of GFC 1988-89

### Reports

5. Executive Committee Report
- 5.1 Executive Committee Minutes of 13 June 1988
6. Reports of the Board of Governors
7. Report of the Nominating Committee
- 7.1 Written Report
- 7.2 Oral Report
8. GFC Facilities Development Committee (FDC): Oral Report
9. GFC Academic Development Committee (ADC): Oral Report
10. GFC Planning and Priorities Committee (PPC): Oral Report
11. Vice-President (Research)'s Research Policy Committee (RPC): Oral Report

### New Business

12. GFC Undergraduate Awards Policy: Recommendation from the GFC Undergraduate Scholarship Committee Concerning Endowed Bequests/Awards with Discriminatory Selection Criteria
13. GFC Committee for the Improvement of Teaching and Learning (CITL): Annual Report 1987-88
14. Quota Proposal and Changes to Admission and Promotion Standards for the Department of Physical Education and Sport Studies: Recommendation from the GFC Planning and Priorities Committee (PPC)
15. Quota Proposal and Changes to Admission and Promotion Standards for the Department of Recreation and Leisure Studies: Recommendation from the GFC Planning and Priorities Committee (PPC)
16. Code of Student Behavior: Changes to 1) Effective Date of Suspension/Expulsion and Status of Grades, and 2) Definitions of Suspension and Expulsion (In Situations of Danger: Recommendations from the GFC Campus Law Review Committee (CLRC))
17. GFC Nominating Committee Replenishment
- Other Business

For information concerning this agenda, members of the University community may telephone the Secretary to GFC, 432-5430.

## Farewell Reception for Amy Zelmer

The Office of the President and the Faculty of Nursing will hold a farewell

reception to honor Associate Vice-President (Academic) and former Dean of Nursing, Amy Zelmer, upon her departure to Rockhampton, Australia, to head the Department of Nursing at Capricornia Institute of Advanced Education.

The reception will be held on Tuesday, 21 June, from 3 to 6 p.m. at University House. Friends, colleagues and students are cordially invited to attend.

A Book Prize in Nursing in honor of Dr. Zelmer will be established at Capricornia Institute. Those wishing to make a donation are invited to send cheques payable to the Amy Zelmer Book Prize Fund, care of Dorothy Gamble, Office of the Vice-President (Academic), 3-4 University Hall.

## Richard Eaton Singers to Perform at All Saints' Cathedral

The Tour Choir of The Richard Eaton Singers, conducted by Leonard Ratzlaff, will present their concert, Holland-Tour '88, at All Saints' Cathedral, Friday, 24 June, at 8 p.m.

The 100-voice choir will visit Holland 12 to 26 July as guests of the Hagacantare Choir of The Hague.

## Summer Library Skills Program

To assist instructors in Summer Session, the Library will offer Library Skills classes for students again in July. Two types of sessions have been planned. The first will consist of a lecture which will explain the organization and services of the Library. The second session will give students the opportunity to learn to use the Library's online catalogue by using a hands-on approach. Brochures describing the sessions as well as detailing time and location can be found at Information Desks throughout the Library system. Information can also be obtained from the Information and Reserve Centre (432-4174).

## Talks

### Plant Science

28 June, 9 a.m. Raj P. Nagarajan, "Use of Plant Cell Culture in the Agriculture Food and Pharmaceutical Industries." 1-06 Agriculture/Forestry Centre.

### Clothing and Textiles

29 June, 7:30 p.m. Joanne Eicher, University of Minnesota, "Subtle and Spectacular Textile Arts of Kalabari Women." B-16 Home Economics Building.

### English

13 July, 7:30 p.m. Nicholas Tucker, Department of Developmental Psychology, University of Sussex, "Children's Literature and Psychology." 2-115 Education North. Co-sponsors: British Council, Library Science and Elementary Education.

## The Arts

### Exhibitions

## Bruce Peel Special Collections Library

Until 30 June. "Goin' to California—the

Gold Rush of '48 in first editions and illustrations." B-7 Rutherford South.

## McMullen Gallery

Until 31 August. "Bird Images of the Inuit." Mackenzie Health Sciences Centre.

## SUB Theatre

18 June, 8 p.m. CJSR and Timbre Productions present "The Jazz Butcher." 7 to 10 July, 8 p.m. The Ensemble for Lyrical Operetta Productions, Edmonton, presents "South Pacific."

## Positions

The University of Alberta is an equal opportunity employer.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

## Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 10 June. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Typist II (Part-time), Pathology (Medical Laboratory Science), (\$902-\$1,120) (prorated)  
 Senior Financial Records Clerk (Part-time hourly), Physical Education and Recreation (Support Services), (\$9.28-\$11.65/hr)  
 Clerk Steno III (Part-time/Trust), Medicine, (\$1,055-\$1,325) (prorated)  
 Clerk Steno III (Trust), Biochemistry, (\$1,407-\$1,767)  
 Clerk Steno III (Technical Typist), Faculty of Business, (\$1,407-\$1,767)  
 Clerk Steno III, Faculty of Extension (Science and Technology), (\$1,407-\$1,767)  
 Clerk Steno III, Student Counselling Services, (\$1,407-\$1,767)  
 Clerk Typist III (Term), Physical Therapy, (\$1,407-\$1,767)  
 Systems Control Clerk I, Office of Alumni Affairs, (\$1,454-\$1,845)  
 Systems Control Clerk I, Technical Services, (\$1,454-\$1,845)  
 Administrative Clerk, Personnel Services and Staff Relations, (\$1,568-\$2,003)  
 Medical Steno (Split-funded), Pediatrics, (\$1,568-\$2,003)  
 Secretary, Office of Alumni Affairs, (\$1,568-\$2,003)  
 Secretary, Faculty of Dentistry (Restorative Dentistry), (\$1,568-\$2,003)  
 Departmental/Executive Secretary (Trust), Faculty of Medicine (Office of Research), (\$1,767-\$2,274)  
 Departmental/Executive Secretary, Dean of Medicine, (\$1,767-\$2,274)  
 Senior Accounts Clerk, Office of the Comptroller, (\$1,767-\$2,274)  
 Timetabling Clerk, Registrar's Office, (\$1,767-\$2,274)  
 Office Services Senior Clerk, Dean of Agriculture and Forestry, (\$1,767-\$2,274)  
 Technical Assistant (Trust), Botany, (\$1,407-\$1,767)  
 Dental Assistant I (Hourly/Term), Dentistry, (\$9.97-\$12.66/hr)  
 Technician I (Trust/Term), Civil Engineering, (\$1,627-\$2,088)  
 Technician I (Trust/Term), Medical

Microbiology and Infectious Diseases, (\$1,627-\$2,088)  
 Technician II, Occupational Health and Safety, (\$1,845-\$2,373)  
 Technologist I (Trust, Term), Civil Engineering, (\$2,003-\$2,585)  
 Technologist I (Trust), Surgery, (\$2,003-\$2,585)  
 Programmer Analyst I, Office of Research Services, (\$2,003-\$2,585)  
 Programmer Analyst I, Graduate Studies and Research, (\$2,003-\$2,585)  
 Programmer Analyst I (Term), Instructional Technology Centre, (\$2,003-\$2,585)  
 Administrative Assistant I (Residence Coordinator), Housing and Food Services, (\$2,003-\$2,585)  
 Administrative Assistant I, Registrar's Office, (\$2,003-\$2,585)  
 Head Baker, Housing and Food Services, (\$2,088-\$2,703)  
 Nurse (Trust), Medicine, (\$2,088-\$2,703)  
 Dental Technician III, Restorative Dentistry, (\$2,274-\$2,947)  
 Specialist Technician, Medicine and Dentistry, (\$2,823-\$3,686)  
 Controls Fitter, Physical Plant, (\$3,136)

For vacant Library positions, telephone 432-3339.

## Surplus Equipment

The equipment appearing in this column is available only to University departments with University-administered funds. For further information, telephone Roy Bennett or Jody Brookwell, 432-3208.

Wanted: Paraffin Sectioning Microtome  
 Ginny Burgess, Endodontics, 432-8197.

## Advertisements

### Accommodations available

Sale - Acreage west of city. 1,660' bungalow. Nicely treed. Very private, not in subdivision. Chris Tenove, 433-5664, 436-5250. Spencer Realty.  
 Sale - Hubbles Lake retreat. \$19,500. 4.38 acres. Mobile home. Chris Tenove, 433-5664, 436-5250. Spencer Realty.  
 Sale - Large city lots, Windermere area. Chris Tenove, 433-5664, 436-5250. Spencer Realty.  
 Sale - Garneau, University-area bungalow with hardwood floors. Close to hospital. Chris Tenove, 433-5664, 436-5250. Spencer Realty.  
 Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect (604) 592-3666, Lois Dutton, Wessex Realty, Victoria, B.C.  
 Sale/rent - Attractive, three-bedroom townhouse. Appliances, fireplace. Blue Quill. 433-6719.  
 Rent - September-May, upper floor duplex, four bedrooms, 1 1/2 baths, laundry, fireplace, sauna, dual garage, Old Strathcona, \$775. 929-8760, 433-7792.  
 Sale - Island paradise, only 35 minutes west of city. Log cabin, power, waterfront, piers. Fully furnished, priced in the 40s. Call Ronn Bence, Royal LePage Realty, 438-5100, 436-6296.  
 Rent - July-September, 3-4 bedrooms. 435-2534 evenings.  
 Sublet - One-bedroom apartment, furnished. One year study leave begins 1 September. \$460 includes utilities, parking. 8510 111 St. 433-8302.  
 Rent - Elegant, furnished, two-storey home. St. Albert, 20 minutes University. Superb trees, quiet location. Three bedrooms, two studies, family room/fireplace.

Exquisite private deck. Darkroom. Attached garage. \$975-\$1,050. 458-7856.

Rent - One room, 1 August, Bonnie Doon. 468-1639.

Rent - Bonnie Doon, partly furnished, four bedrooms. 1 August 1988-31 July 1989. \$700. 468-1639.

Rent - Large, two-bedroom condominium apartment. 97 Ave. 112 St. Unfurnished, all utilities. Available 1 July. \$695. Riverside view. 482-4099.

Rent - Furnished, three/four bedrooms. Walking distance University. Non-smoking, 1 January 1989-31 July 1989. \$775. 433-1352.

Sale - Beau Park. Close to University. Single family dwelling. \$87,000. 436-0277. No agents please.

Rent - One-bedroom, basement suite, separate entrance. No pets, non-smoker, four appliances. \$275. Half block campus, 89 Ave. 109 St. Available 15 July. 475-1210.

Rent - Semi-furnished, five bedrooms, two storeys. \$950 plus utilities. No pets, non-smoker, half block campus. Available 15 July. 89 Ave. 109 St. 475-1210.

Rent - Two-bedroom house, modern, walking distance University. Appliances, \$600 monthly, damage deposit, references required. Mature individuals only. 482-6947 days.

Sale - Impressive, contemporary home, 3,500 sq. ft. with a fantastic kitchen, triple garage. Energy efficient construction. Perfect home for executive entertaining with river valley view. Ann Daurant, Spencer Realty, 436-5250.

Share - Third roommate needed for spacious, three-bedroom apartment. Available now, \$192 including utilities. 433-3796.

Rent - Beautifully furnished, study leave home. Five-minute walk to University, quiet street. Three bedrooms, fireplace, deck. Non-smokers. September-April/June. \$875. 432-5698, 431-0604.

Rent - Quiet, secure, one-bedroom suite. \$305. Garneau. 431-0524.

Rent - Choice Clareview location. Close to LRT. Executive house. Four bedrooms, family room, 2 1/2 baths, fireplace, attached garage, landscaped, appliances, drapes. 1 September, year lease. \$1,250. No pets. 478-0167.

Sale - Elegant Garneau, two-storey home. Oak floors, approximately 1,900 sq. ft. plus basement development. Renovated kitchen, wiring, plumbing. Mature trees, front drive, opposite Garneau Park. \$172,000. No agents. 433-2909.

Sale - By owner, Millwoods bungalow, 1,060', 12 years. \$81,900. 462-6175.

Rent - West end, large family home, four bedrooms, three bathrooms, double garage, fireplace, balcony, developed yard, quiet neighborhood, all amenities close by. \$950. Some damage, no pets. 1 July. 481-4725 6-9 p.m.

Rent - 1 July. Older, 1 1/2-storey, three-bedroom, family home. Saskatchewan Drive east. Unfurnished/partially furnished. Detached, double, heated garage. Five appliances. References. If interested, please phone 452-0231 after 6 p.m.

Sublet - Furnished, two-bedroom apartment. \$350/month. 6 July-31 August. 437-0128, Lezlie after 6 p.m. 30 June.

Rent - South Garneau, 11005 80 Ave. Two-storey house. Deck, yard perfect for small family. Exceptional area. Five appliances. \$775. 468-5861.

Sublet - Old Strathcona. Clean, quiet, airy, one-bedroom apartment. Balcony, color TV, stereo, computer. Mid-July to mid-December. Reduced rent, utilities included. Deposit. 439-6566.

Sale - Landsdowne, 1,557', open-beam

bungalow. Family room, three-piece off master bedroom, basement fully developed, backs onto University farm. Luke Flanagan, NRS Real Estate, 438-6111.

Rent - Windsor Park house, unfurnished, three bedrooms, finished basement, all appliances, 60 seconds from campus. 1 August, \$850. 436-1336 5-9 p.m.

Sale - Three-bedroom house in Windsor Park. Modern interior with new kitchen and bathroom. Fireplace, double garage, developed basement. 11728 83 Ave. 433-8667.

Rent - Study leave home, furniture flexible. Five bedrooms, two bathrooms, rumpus room. Near schools, Southgate. 1-2 years from 1 July 1988. \$775/month. 434-0253, 432-5343.

Sale - Prestigious, two-storey. Buena Vista. Oak floors, bright, sauna, master ensuite, den, fireplace, three bedrooms, large decks, double garage, 3,375'. No agents. Must be seen. Open house. \$249,500. 486-2479.

#### Goods for sale

Books appraised, bought and sold every day of the week. Visit us at our spacious new location only minutes from campus. The Edmonton Book Store, 8530 109 St. 433-1781.

Cash paid for appliances, 432-0272.

Serendipity Duo: a flute duet for any celebration. 469-7160 or 469-1976.

Dining room suite, nine pieces, burnished pecan wood, neutral upholstery, contemporary design. By Kaufman of Ontario, hardly used. New \$7,000, asking \$3,500. 439-1603.

#### Services

Donnic Word Processing - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

Backaches? Stress tension? Special therapy at Back-Basics (supplementary health care reimburses treatment costs). Maria Krieg is a spine specialist, university-trained in Düsseldorf. 11610 75 Ave. 436-8059.

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Blue Quill Office Services. Term papers, theses, by word processor. \$1.50 per double-spaced page. Photocopying, next-day service. 437-4356.

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most Apple to IBM.

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Professional typing done on computer, printed with Daisy Wheel. Reasonable rates. Drop-off/pick-up on campus - Judy, 476-4723.

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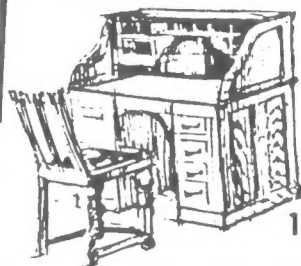
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